

FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

97,022-B1

Serial No.

09/723,256

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

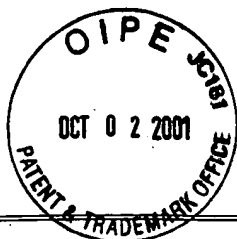
Applicant: Dunlay et al.

Filing Date:

November 27, 2000

Group:

1645



TECH CENTER 1600/2900

OCT 05 2001

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NG	1.	5,491,084	02/13/96	Chalfie et al.			
	2.	5,401,629	03/28/95	Harpold et al.			
	3.	5,436,128	07/25/95	Harpold et. al.			
	4.	4,783,401	11/8/98	Horan, et al.			
	5.	4,762,701	08/09/88	Horan et al.			
	6.	4,859,584	08/22/89	Horan et al.			
	7.	5,989,835	11/23/99	Dunlay et al.			
	8.	6,103,479	08/15/00	Taylor			
	9.	5,326,691	7/5/94	Hozier			
	10.	5,384,261	1/24/95	Winkler et al.			
	11.	5,313,264	5/17/94	Ivansson et al.			
	12.	4,673,988	6/16/87	Jansson et al.			
	13.	5,096,807	3/17/92	Leaback			
	14.	5,556,752	9/17/96	Lockhart et al.			
	15.	5,143,854	9/1/94	Pirrung et al.			
	16.	5,324,591	6/28/94	Georger et al.			
	17.	5,233,369	8/3/93	Carlotta et al.			
	18.	5,486,855	1/23/96	Carlotta et al.			
	19.	5,502,467	3/26/96	Hoisington et al.			
	20.	4,982,739	1/8/91	Hemstreet et al.			
NG	21.	5,031,797	7/16/91	Boris et al.			

EXAMINER

Nicholas Galitsky

DATE CONSIDERED 05.07.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



U.S. PATENT DOCUMENTS

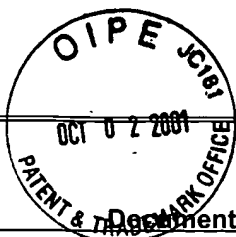
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NG	22. 5,585,069	12/17/96	Zanzucchi et al.			
	23. 5,571,410	11/5/96	Swedberg et al.			
	24. 5,500,071	3/19/96	Kaltenbach			
	25. 4,344,816	8/17/82	Craighead et al.			
	26. 5,581,487	12/3/96	Kelly et al.			
	27. 5,567,294	10/22/96	Dovich et al.			
	28. 5,527,673	6/18/96	Reinhartz et al.			
	29. 5,548,661	8/20/96	Price et al.			
	30. 5,355,215	10/11/94	Schroeder et al.			
	31. 5,670,113	9/23/97	Akong et al.			
	32. 5,732,150	3/24/98	Zhou et al.			
	33. 5,790,710	8/4/98	Price et al.			
	34. 5,885,840	3/23/99	Kamentsky et al.			
	35. 5,072,382	12/10/91	Kamentsky et al.			
	36. 5,107,422	4/21/92	Kamentsky et al.			
	37. 4,647,531	3/3/87	Kamentsky et al.			
NG	38. 5,919,646	7/6/99	Okun et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	N
NG	39.	WO 96/27675	9/12/96	PCT				
	40.	WO 96/23898	8/8/96	PCT				
	41.	WO 95/21191	08/10/95	PCT				
	42.	WO 95/07463	3/16/95	PCT				
	43.	WO 96/09598	03/28/96	PCT				
	44.	WO 94/11841	5/26/94	PCT				
NG	45.	WO 87/02802	5/7/87	PCT				

EXAMINER <i>Nicola Galitery</i>	DATE CONSIDERED <i>05.02.02</i>
---------------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
N/G	46.	4(1992)-69776	3/4/92	Japanese	—	—	X	
	47.	H1-165958	6/29/89	Japanese	—	—	X	
	48.	5-501151	3/4/93	Japanese	—	—	X	
N/G	49.	S61-31282	2/4/86	Japanese	—	—	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

N/G	50.	Aplin and Hughes, (1997), Anal. Biochem., 113: pp. 144-148.
	51.	Bailey, et al., (1993), Nature, 366: pp. 44-48.
	52.	Barak et al., (1997), J. Biol. Chem, 272(44):27497-27500.
	53.	Barber et al., (1996), Neuroscience Letters, 207:17-20.
	54.	Beggs (1997), J. of Biomolec. Screening, 2(2):71-78.
	55.	Bell, Jr., et al., (1987), J. Histochem. And Cytochem., 35: pp. 1375-1380.
	56.	Bhatia, et al., (1993), Analytical Biochemistry, 208: pp. 197-205.
	57.	Brejc, et al., (1997), Proc. Natl. Acad. Sci., 94: pp. 2306-2311.
	58.	Bright et al., (1987), J. Cell Biol., 104:1019-1033.
	59.	Bright et al., (1989), Methods in Cell Biology, 30:157-192.
	60.	Bright et al., (1989), J. Cell. Physiol., 141:410-419.
	61.	Bright et al., (1996), Cytometry, 24:226-233.
	62.	Brinkley, (1992), Bioconjugate Chem., 3: pp. 2-13.
	63.	Bulinski et al., (1997), J. Cell Science, 110: pp. 3055-3064.
	64.	Calvert, et al., (1994), Journal of Vacuum Science and Technology B12: pp. 3884-3997.
	65.	Calvert, et al., (1995), In Thin Films, Vol. 20: Organic Thin Films and Surfaces: Directions for the Nineties, A. Ulman, Ed., Academic Press, Boston, pp. 109-141.
	66.	Chalfie et al., (1994), Science, 263:802-805.
	67.	Channavajjala, et al., (1997), J. Cell. Sci., 110: pp. 249-256.
	68.	Chen et al., (1997), Biophysical Journal, 72: pp. 37-50.
	69.	Cheng, et al., (1996), Nature Biotechnology, 14: pp. 606-609.
N/G	70.	Chrisey, et al., (1994), Proceedings, Materials Research Society, 330: pp. 179-184.

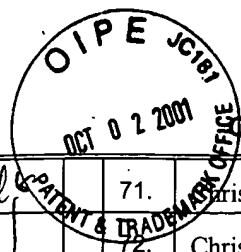
EXAMINER

Norolai G. Liberty

DATE CONSIDERED

05.07.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

RECEIVED
OCT 05 2001
TECH CENTER 1600/2900

71.	Chrisey, et al., (1996), Nucleic Acids Research, 24: pp. 3031-3039.
72.	Chrisey, et al., (1996), Nucleic Acids Research, 24: pp. 3040-3047.
73.	Clarke and McNeil, (1992), J. Cell Science, 102: pp. 533-541.
74.	Clarke et al., (1994), BioTechniques, 17: pp. 1118-1125.
75.	Cohen, (1997), <i>Biochemical J.</i> , 326:1-16.
76.	Craighead, et al., (1980), Appl. Phys. Lett., 37: pp. 653-655.
77.	Craighead, et al., (1982), J. Vac. Sci. Technology., 20: pp. 316-319.
78.	Cubitt et al., (1995), <i>Trends in Biochemical Science</i> , 20:448-455.
79.	Daaka et al., (1998), <i>J. Biol. Chem.</i> , 273(2):685-688.
80.	Davis et al., (1995), <i>Dev. Biology</i> , 170:726-729.
81.	DeBiasio et al., (1996), <i>Mol. Biol. Cell</i> , 7:1259-1282.
82.	Denk et al., (1990), <i>Science</i> , 248:73-76.
83.	Deprez et al., (1997), <i>J. Biol. Chem.</i> , 272(28):17269-17275.
84.	Dulcey, et al., (1991), <i>Science</i> , 252: pp. 551-554.
85.	Dulcey, et al., (1996), <i>Langmuir</i> , 12: pp. 1638-1650.
86.	Ehrig, et al., (1995), <i>FEBS Letter</i> , 367: pp. 163-166.
87.	Ellenberg et al., (1997), <i>J. Cell Biol.</i> , 138(6):1193-1206.
88.	Farkas et al., (1993), <i>Annu. Rev. Physiol.</i> , 55:785-817.
89.	Federov et al., (1994), <i>J. Mol. Biol.</i> , 241:480-482.
90.	Firestone et al., (1991), <i>Cytometry</i> , 12:195-206.
91.	Frisch, et al., (1996), <i>Bioconjugate Chem.</i> , 7: pp. 180-186.
92.	Gerritsen et al., (1997), <i>J. of Fluorescence</i> , 7(1):11-15.
93.	Giuliano et al., (1995), <i>Curr. Op. Cell Biol.</i> , 7:4-12.
94.	Giuliano et al., (1995), <i>Methods in Neuroscience</i> , 27:1-16.
95.	Giuliano et al., (1987), <i>Anal. Biochem.</i> , 167:362-371.
96.	Giuliano et al., (1990), <i>Optical Microscopy for Biology</i> , pp. 543-557.
97.	Giuliano et al., (1995), <i>Annu. Rev. of Biophysics and Biomolecular Structure</i> , 24:405-434.
98.	Giuliano, (1996), <i>Cell Motil. Cytoskel.</i> , 35:237-253.
99.	Go et al., (1997), <i>Analytical Biochemistry</i> , 247:210-215.

EXAMINER

M. Zola Galitay

DATE CONSIDERED

05.07.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

OCT 02 2001

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

100.	Goldmacher, et al., (1992), Bioconjugate Chem., 3: pp. 104-107.
101.	Goldman et al., (1995), <i>Experimental Cell Research</i> , 221:311-319.
102.	Gonzales et al., (1995), <i>Biophysics J.</i> , 69: pp. 1272-1280.
103.	Gonzales et al., (1987), <i>Digital Image Processing</i> , pp. 391-448.
104.	Gough et al., (1993), <i>J. Cell Biol.</i> , 121(5):1095-1107.
105.	Grabarek and Gergely, (1990), <i>Anal. Biochem.</i> , 185: pp. 131-135.
106.	Graham et al., (1973), <i>Virology</i> , 52:456-467.
107.	Gratton et al., (1994), <i>Proc. of the Microscopical Society of America</i> , pp. 154-155.
108.	Groen et al., (1985), <i>Cytometry</i> , 6:81-91.
109.	Hahn et al., (1992), <i>Nature</i> , 359:736-738.
110.	Hahn et al., (1993), <i>Fluorescent and Luminescent Probes for Biological Activity</i> , W.T. Mason, (ed.), pp. 349-359, Academic Press, San Diego.
111.	Harms et al., (1984), <i>Cytometry</i> , 5:236-243.
112.	Harootunian et al., (1993), <i>Mol. Biol. of the Cell</i> , 4:993-1002.
113.	Haselhoff, et al., (1997), <i>Proc. Natl. Acad. Sci.</i> , 94: pp. 2122-2127.
114.	Haugland, Fluorescent Tracers of cell morphology and fluid flow, in <i>Handbook of Fluorescent Probes and Research Chemicals</i> , 6 th edition, ed. By Spence, Molecular Probes, Inc. Eugene OR, PP. 325-331, (1996).
115.	Heim and Tsien (1996), <i>Curr. Biol.</i> , 6:178-182.
116.	Htun et al., (1996), <i>Proc. Natl. Acad. Sci.</i> , 93:4845-4850.
117.	Hu et al., (1995), <i>FEBS Letters</i> , 369:331-334.
118.	Johnson et al., (1996), <i>Cell</i> , 85:149-158.
119.	Johnson et al., (1985), <i>J. Electron Microscopy Tech.</i> , 2: pp. 129-138.
120.	Kaether et al., (1995), <i>FEBS Letters</i> , 369:267-271.
121.	Kahl, et al., (1997), <i>J. Biomol. Screening</i> , 2: pp. 33-40.
122.	Kapur, et al., (1996), <i>Journal of Biomedical Materials Research</i> , 33: pp. 205-216.
123.	Kebler et al., (1996), <i>FEBS Letters</i> , 395:225-227.
124.	Kessler et al., (1991), <i>Spectrochimica Acta</i> , 47A(2):187-192.
125.	Kislauskis et al., (1994), <i>J. Cell Biol.</i> , 127(2):441-451.
126.	Kittler et al., (1985), <i>Computer Vision, Graphics, and Image Processing</i> , 30:125-147.
127.	Kleinfeld, et al., (1988), <i>J. Neuroscience</i> , 8: pp. 4098-4120.
128.	Lakowicz et al., (1992), <i>Anal. Biochem.</i> , 202:316-330.

EXAMINER

Nikolai Golitsvay

DATE CONSIDERED

05.07.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

OCT 02 2001

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

129.	Lambrechts et al., (1995), <i>Eur. J. Biochem.</i> , 230:281-286.
130.	Lee et al., (1996), <i>Biochemistry</i> , 35:6010-6019.
131.	Lee et al., (1997), <i>Biochemistry</i> , 36:2701-2708.
132.	Liang et al., (1997), <i>J. of Molec. Biol.</i> , 274:291-302.
133.	Lopez, et al., (1993), <i>J. Am. Chem. Soc.</i> , 115: pp. 5877-5878.
134.	Martinez-Zaguilan et al., (1996), <i>Am. J. Physiol.</i> , 270:C1438-C1446.
135.	McCaffrey et al., (1996), <i>J. Biomolec. Screening</i> , 1(4):187-190.
136.	McCann et al., (1997), <i>Proc. Natl. Acad. Sci.</i> , 94:5679-5684.
137.	McKenzie, et al., (1988), <i>J. Prot. Chem.</i> , 7: pp. 581-592.
138.	McNeil et al., (1984), <i>J. Cell Biol.</i> 98: pp. 1556-1564.
139.	McNeil, (1989), <i>Methods in Cell Biology</i> , 29:153-173.
140.	Morise et al., (1974), <i>Biochemistry</i> , 13(12):2656-2662.
141.	Mrkisch and Whitesides, (1996), <i>Ann. Rev. Biophys. Biomol. Struct.</i> , 25: pp. 55-78.
142.	Oancea et al., (1998), <i>The Journal of Cell Biology</i> , 140(3): pp. 485-498.
143.	Palm et al., (1997), <i>Nat. Struct. Biol.</i> , 4(5):361-365.
144.	Pillai, (1987), In <i>Organic Photochemistry Volume 9</i> , ed. A. Padwa, Marcel Dekker, Inc. NY, pp. 225-323.
145.	Pillai, (1980), <i>Synthesis</i> , pp. 1-26.
146.	Poot, et al., (1996), <i>J. Histochem. And Cytochem.</i> , 44: pp. 1363-1372.
147.	Post et al., (1995), <i>Mol. Biol. Of the Cell</i> , 6: pp. 1755-1768.
148.	Presley et al., (1997), <i>Nature</i> , 389:81-85.
149.	Prime and Whitesides, <i>Science</i> , 252: pp. 1164-1167.
150.	Proffitt et al., (1996), <i>Cytometry</i> , 24:204-213.
151.	Ridler et al., (1978), <i>IEEE Trans. Systems, Man, and Cybernetics</i> , 8:630-632.
152.	Rizzuto et al., (1995), <i>Curr. Biology</i> , 5(6):635-642.
153.	Rizzuto et al., (1992), <i>Nature</i> , 358: pp. 325-327.
154.	Russ, (1992), <i>The Image Processing Handbook</i> , CRC Press Inc., 225-275.
155.	Sawin, et al., (1993), In <i>Biological Techniques: Fluorescent and Luminescent Probes for Biological Activity</i> , ed., W.T. Mason, Academic Press, pp. 405-419.
156.	Scneckenburger, et al., (1997), <i>Photochemistry and Photobiology</i> , 66(1), pp. 34-41.
157.	Self et al., (1995), <i>Methods in Enzymology</i> , 256:3-10.

RECEIVED
OCT 05 2001
TECH CENTER 1600/2900

EXAMINER

Nikolas Gelitsky

DATE CONSIDERED

05.02.02.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

158.	Self and Thompson, (1996), Nature Medicine, 2: pp. 817-820.
159.	Senter, (1985), Photochem. And Photobiol., 42: pp. 231-237.
160.	Shimoura et al., (1988), <i>J. of Biochemistry</i> , 251:405-410.
161.	Schroeder and Neagle, (1996), <i>J. Biomol. Screening</i> , 1: pp. 75-80.
162.	Sigal, et al., (1996), <i>Anal. Chem.</i> , 68: pp. 490-497.
163.	Singhvi, et al., (1994), <i>Science</i> , 264: pp. 696-698.
164.	Southwick et al., (1990), <i>Cytometry</i> , 11:418-430.
165.	Spargo, et al., (1994), <i>PNAS</i> , 91: pp. 11070-11074.
166.	Stenger, et al., (1992), <i>Journal of the American Chemical Society</i> , 114: pp. 8435-8442.
167.	Suh, et al., (1983), <i>Proc. SPIE</i> , 382: pp. 199-201.
168.	Sutoh, (1982), <i>Biochemistry</i> , 21:3654-3661.
169.	Swaninathan et al, (1997), <i>Biophysics J.</i> , 72: pp. 1900-1907.
170.	Tanaka et al., (1987), <i>Applied Optics</i> , 26(16): pp. 3301-3307.
171.	Tanaka et al., (1995), <i>Methods in Enzymology</i> , 256:41-49.
172.	Tarasova et al., (1997), <i>The Journal of Biological Chemistry</i> , 272(23): pp. 14817-14824.
173.	Taylor et al., (1992), <i>American Scientist</i> , 80:322-335.
174.	Taylor et al., (1994), <i>J. Biol. Chem.</i> , 269(1):308-318.
175.	Taylor et al., (1996), <i>Intl. Soc. for Optical Engineering</i> , 2678: 15-27.
176.	Taylor et al., (1994), <i>Toxicologic Pathology</i> , 22: pp. 145-159.
177.	Thevinin, et al., (1992), <i>Eur. J. Biochem.</i> , 206: pp. 471-477.
178.	Thomas et al., (1979), <i>Biochemistry</i> , 18(11):2210-2218.
179.	Tsien, (1989), <i>Methods in Cell Biology</i> , 30:127-156.
180.	Tyagi et al., (1996), <i>Nat. Biotechnol.</i> , 14:303-308.
181.	Waggoner et al., (1996), <i>Hum. Pathol.</i> , 27:494-502.
182.	Walker et al., (1993), <i>J. Biol. Chem.</i> 268:19552-19558.
183.	Wang, (1989), <i>Methods in Cell Biology</i> , 29: pp. 1-12.
184.	Ward et al., (1980), <i>Photochem. Photobiol.</i> , 31:611-615.
185.	Welch et al., (1995), <i>In Vitro Cell. Dev. Biol-Animal</i> . 31:610-616.
186.	Willner and Rubin, (1996), <i>Chem. Int. Ed. Engl.</i> , 35: pp. 367-385.
187.	Yen, et al., (1989), <i>Makromol. Chem.</i> , 190: pp. 69-82.

EXAMINER

M. Meloni Golitsky

DATE CONSIDERED

05.02.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



PENDING U.S. APPLICATION DOCUMENTS

Examiner Initial		Application Serial Number	Filing Date	Author	Attorney Docket No.	
NG	188.	09/293,210	04/16/99	Dunlay et al.	97,022-G	
NG	189.	09/031,271	02/27/98	Dunlay et al.	97,022-B	

EXAMINER

N. Galitzky

DATE CONSIDERED

05.07.02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.